

INTEGRITY MANAGEMENT PROGRAM

UPDATE

- RULES WERE EFFECTIVE MAY 2001 FOR LARGE LIQUID OPERATORS AND FEBRUARY 2002 FOR SMALL LIQUID OPERATORS
- ASSESS, EVALUATE, REPAIR AND VALIDATE THROUGH ANALYSIS THE INTEGRITY OF LIQUID PIPELINES

- IN CALIFORNIA, 19 SMALL OPERATOR INSPECTIONS HAVE BEEN MADE. 18 MORE OPERATOR STILL NEED TO BE DONE.
- WE HAVE ALSO PARTICIPATED IN SOME LARGE OPERATOR OPS INSPECTIONS.

- 55 PROTOCOL QUESTIONS OVER 8 PROTOCOLS IN THE SMALL OPERATOR CONSOLIDATED FORM
- 285 POTENTIAL ISSUES WERE FOUND IN THE SMALL OPERATOR INSPECTIONS IN CALIFORNIA

- PROTOCOL 1 12 QUESTIONS 37
POTENTIAL ISSUES IDENTIFIED
- PROTOCOL 2 6 QUESTIONS 27
POTENTIAL ISSUES IDENTIFIED
- PROTOCOL 3 9 QUESTIONS 45
POTENTIAL ISSUES IDENTIFIED
- PROTOCOL 4 2 QUESTIONS 10
POTENTIAL ISSUES IDENTIFIED

- PROTOCOL 5 8 QUESTIONS 63
POTENTIAL ISSUES IDENTIFIED
- PROTOCOL 6 8 QUESTIONS 52
POTENTIAL ISSUES IDENTIFIED
- PROTOCOL 7 5 QUESTIONS 19
POTENTIAL ISSUES IDENTIFIED
- PROTOCOL 8 5 QUESTIONS 32
POTENTIAL ISSUES IDENTIFIED

- PROTOCOL 3.01 QUALIFICATION OF EMPLOYEES
- 11 COMPANIES. DOCUMENTATION OF EMPLOYEE QUALIFICATIONS OF THOSE WHO REVIEW AND EVALUATE ASSESSMENT RESULTS.

- PROTOCOL 5.03 RISK ANALYSIS
INPUT INFORMATION. 10 COMPANIES.
- INSUFFICIENT INPUT INFORMATION
TO CHARACTERIZE RISK FACTORS.
NEED WIDE RANGE OF INFORMATION
TO PROVIDE BEST ESTIMATE OF RISK.

- PROTOCOL 6.04 P&M MEASURES PROCESS. 10 COMPANIES.
- NEED TO DOCUMENT P&M PROCESS
- MUST INCLUDE GENERAL P&M MEASURES, LEAK DETECTION AND ADDITIONAL EFRD.

- PROTOCOL 5.01 RISK ANALYSIS. COMPREHENSIVENESS OF APPROACH. 9 COMPANIES.
- SPECIFIC FACTORS NEED TO BE INCLUDED. THREATS TO THE PIPELINE AND CONSEQUENCE OF FAILURE.

- PROTOCOL 5.05 RISK ANALYSIS RESULTS. 9 COMPANIES.
- IDENTIFICATION OF PIPELINE LOCATIONS HAVING THE HIGHEST RISK.

- PROTOCOL 5.07 RISK ANALYSIS PROCESS. 9 COMPANIES.
- DOCUMENTED PROCEDURES THAT DESCRIBE THE PROCESS IN EVALUATING RISK, RESPONSIBILITY, DISTRIBUTION OF RESULTS, RECORDS GENERATED AND COMMUNICATION OF RESULTS.

- PROTOCOL 6.01 P&M ACTIONS CONSIDERED. 9 COMPANIES.
- IDENTIFICATION AND EVALUATION OF RANGE OF P&M ACTIONS.

- PROTOCOL 6.08 P&M ACTIONS. EFRD EVALUATION. 9 COMPANIES.
- 10 REQUIRED FACTORS THAT NEED TO BE EVALUATED

OPS PERFORMANCE DATA

- ANNUAL REPORTS FROM OPERATORS ABOUT IMP ARE DUE FOR PREVIOUS YEAR BY JUNE 15.
- 2005 DATA DUE IN THREE MONTHS

- 2004 SUMMARY
 - 170,000 MILES LIQUID LINES
 - 73,000 MILES COULD AFFECT HCA
 - 17,288 CONDITIONS REPAIRED OR MITIGATED (1,230 IMMEDIATE, 647 60 DAY, 3,531 180 DAY REPAIRS, 11,880 OTHER

- 87,799 MILES ASSESSED USING ILI TOOLS
- 6,144 MILES ASSESSED USING SUBPART E HYDROTESTS
 - 73 COMPLETE FAILURES OF PIPE WALL
 - 49 OTHER LEAKS
 - 122 TEST FAILURES

- IMP PROTOCOLS
 - 3,314 NO ISSUES FOUND
 - 2,231 POTENTIAL ISSUES IDENTIFIED
 - 583 NOT APPLICABLE

- PROTOCOL #1 (SEGMENT IDENTIFICATION) HAD THE MOST POTENTIAL ISSUES.
- PROTOCOL #5 (RISK ANALYSIS) AND PROTOCOL #6 (P&M MEASURES) WERE THE SECOND AND THIRD MOST POTENTIAL ISSUES.